

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015354.D
 Acq On : 02 Apr 2020 03:00
 Operator : SY/MD
 Sample : L2005-03 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 06:41:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 06:34:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	677328	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	643590	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	305882	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	159605	26.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	52.56%#
7) Chloroethane-d5	1.58	69	166075	32.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.02%#
11) 1,1-Dichloroethene-d2	2.12	63	243502	22.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	44.86%#
21) 2-Butanone-d5	3.94	46	298308	92.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.41%
24) Chloroform-d	4.37	84	384064	38.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.62%
26) 1,2-Dichloroethane-d4	5.06	65	255461	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.80%
32) Benzene-d6	5.07	84	742430	37.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.92%
36) 1,2-Dichloropropane-d6	6.09	67	241808	41.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.76%
41) Toluene-d8	7.33	98	687206	36.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.52%#
43) trans-1,3-Dichloropropene-	7.64	79	108094	33.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.96%
47) 2-Hexanone-d5	8.11	63	218204	81.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	355814	42.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	287657	41.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.68%

Target Compounds

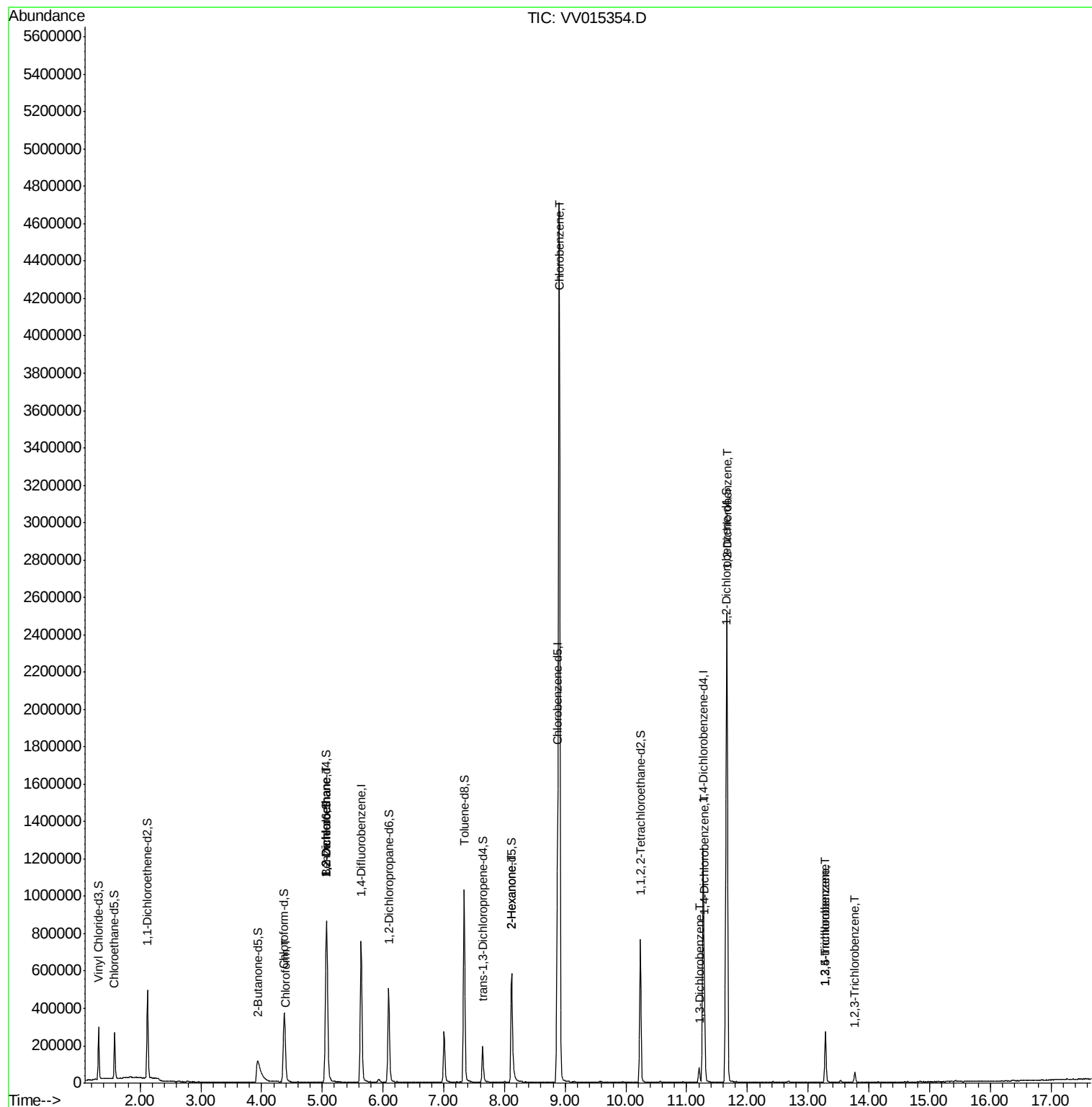
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.41	83	10025	1.098	ug/L	99
27) 1,2-Dichloroethane	5.07	62	4958	0.721	ug/L	98
48) 2-Hexanone	8.12	43	28138	5.654	ug/L #	81
51) Chlorobenzene	8.90	112	2529038	182.271	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	30837	2.995	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	151632	14.519	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	892598	84.984	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	76784	11.251	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	76784	12.317	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	14451	2.250	ug/L	99

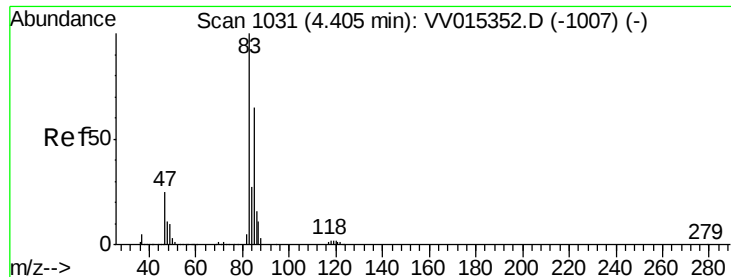
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 02 06:34:01 2020
Response via : Initial Calibration





#25

Chloroform

Concen: 1.098 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

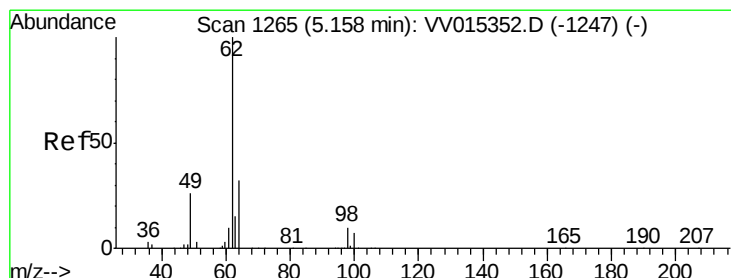
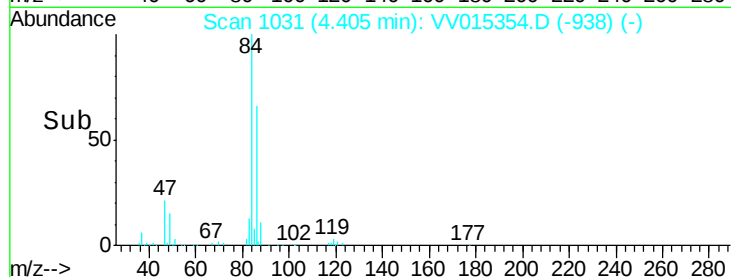
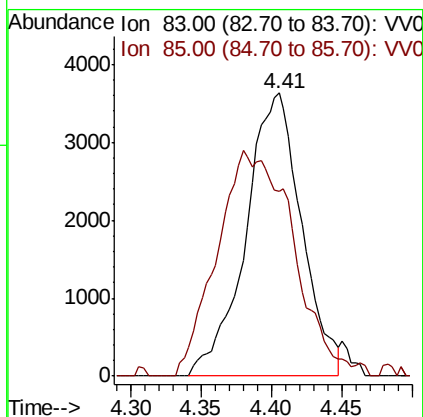
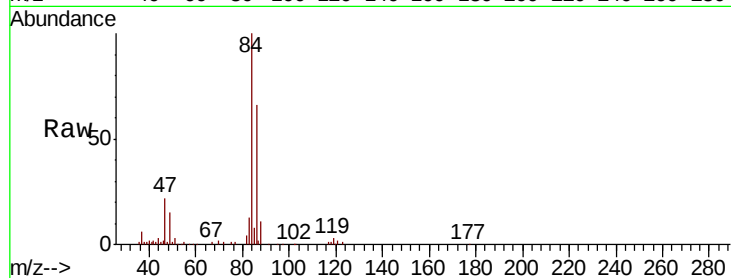
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10025

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9



#27

1,2-Dichloroethane

Concen: 0.721 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. -0.09 min

Lab File: VV015354.D

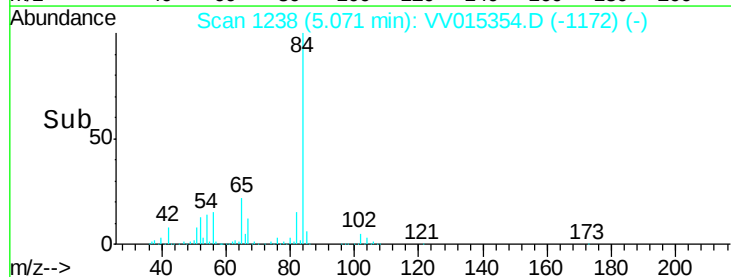
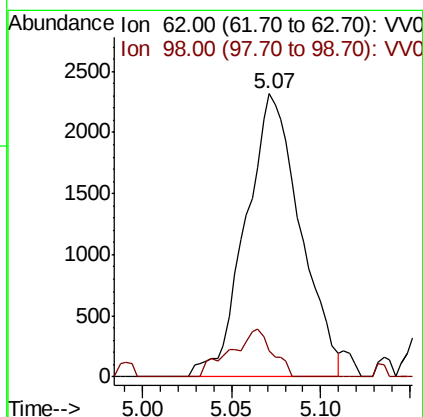
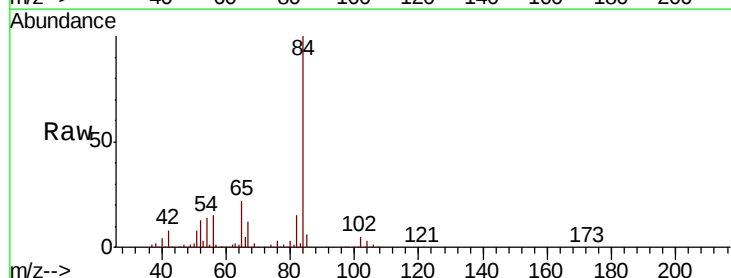
Acq: 02 Apr 2020 03:00

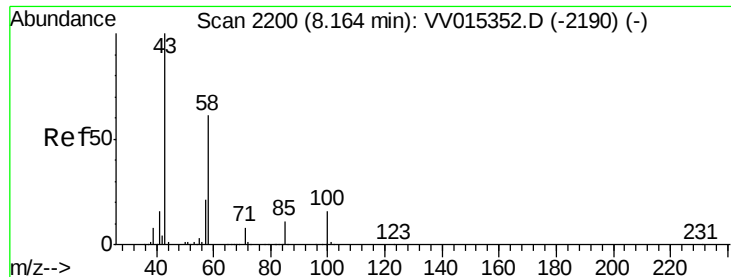
Tgt Ion: 62 Resp: 4958

Ion Ratio Lower Upper

62 100

98 9.3 7.9 11.9

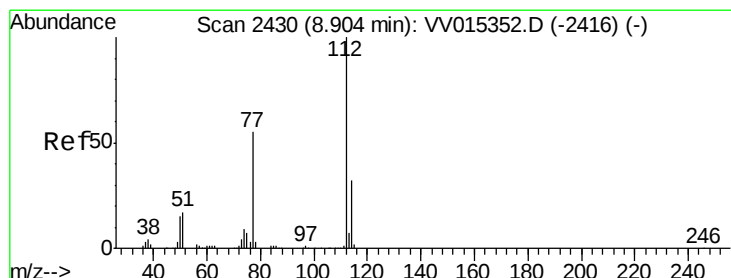
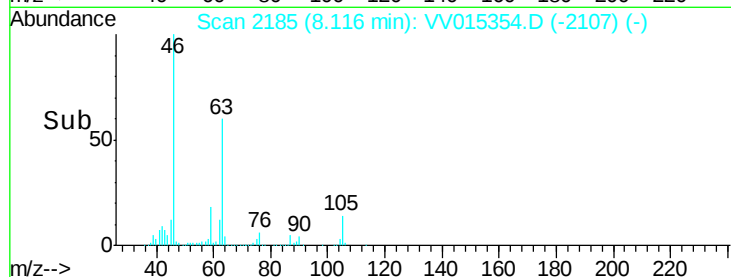
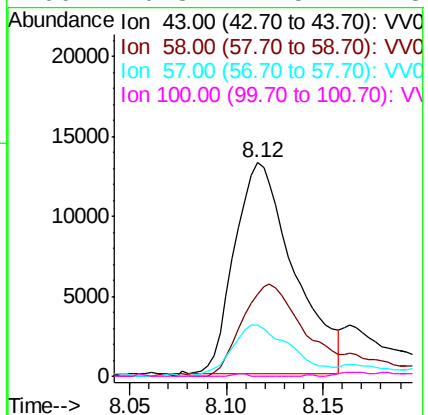
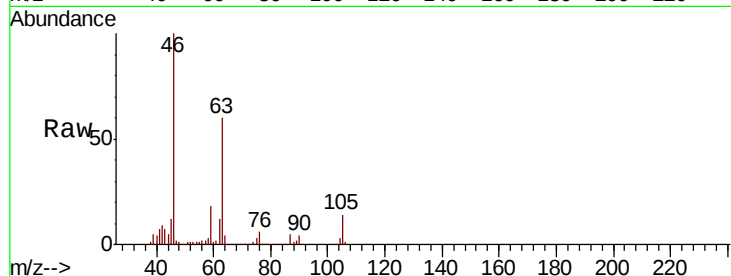




#48
2-Hexanone
Concen: 5.654 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015354.D
Acq: 02 Apr 2020 03:00

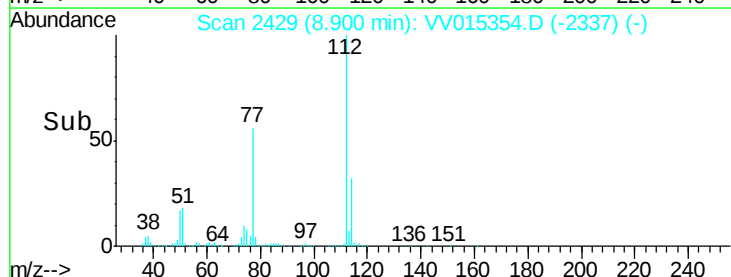
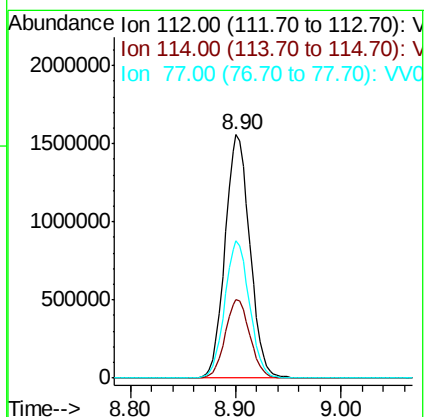
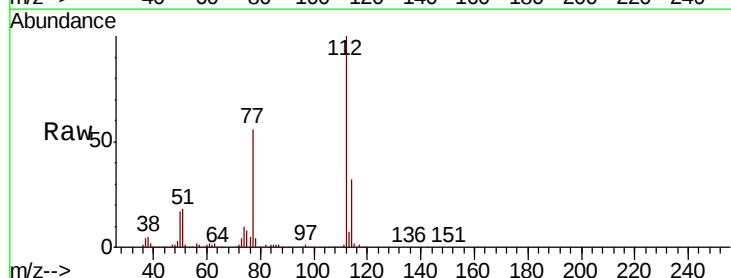
Instrument :
MSVOA_V
ClientSampleId :

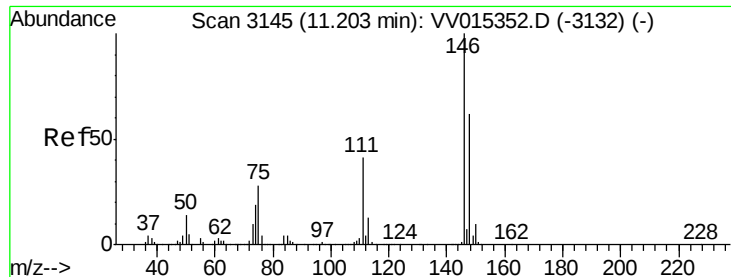
Tot Ion: 43 Resp: 28138
Ion Ratio Lower Upper
43 100
58 44.8 47.4 71.2#
57 24.7 16.7 25.1
100 0.3 11.5 17.3#



#51
Chlorobenzene
Concen: 182.271 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015354.D
Acq: 02 Apr 2020 03:00

Tgt Ion: 112 Resp: 2529038
Ion Ratio Lower Upper
112 100
114 32.4 21.8 40.4
77 56.4 46.2 69.2





#62

1,3-Dichlorobenzene

Concen: 2.995 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

Instrument :

MSVOA_V

ClientSampleId :

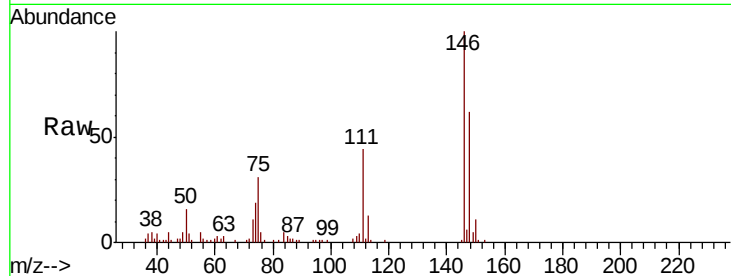
Tot Ion:146 Resp: 30837

Ion Ratio Lower Upper

146 100

111 44.3 30.2 56.2

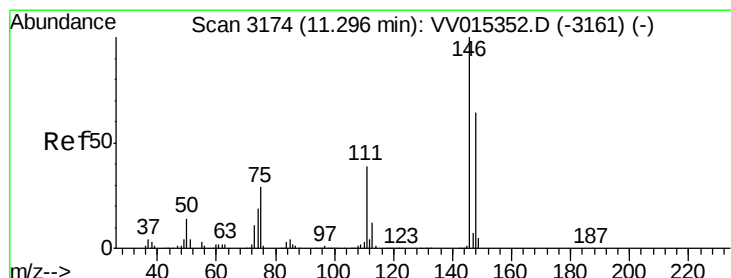
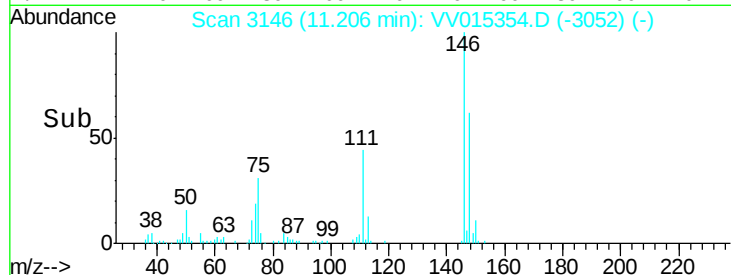
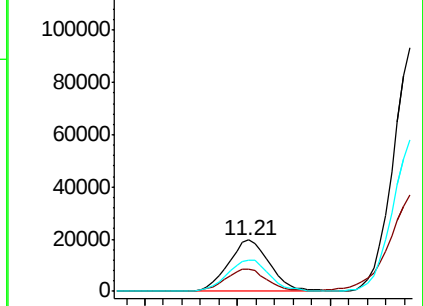
148 61.7 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 14.519 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

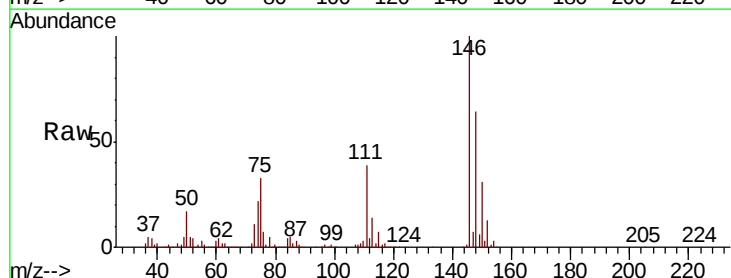
Tgt Ion:146 Resp: 151632

Ion Ratio Lower Upper

146 100

111 38.9 29.3 54.5

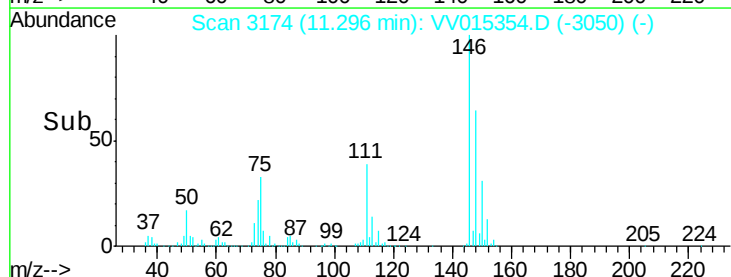
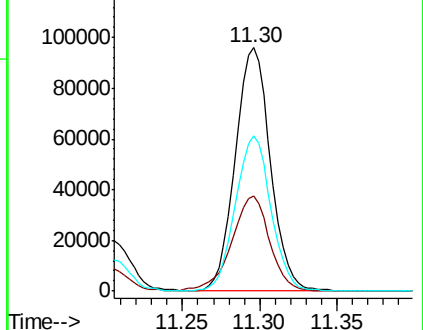
148 63.7 44.7 82.9

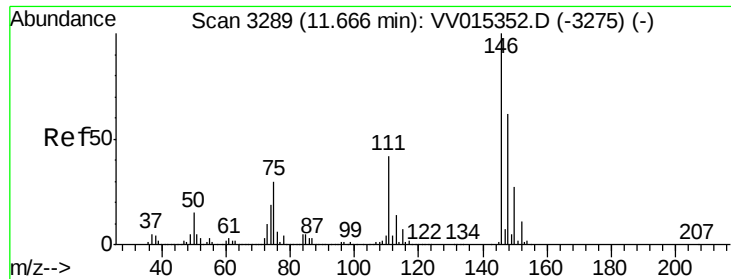


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 84.984 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

Instrument :

MSVOA_V

ClientSampleId :

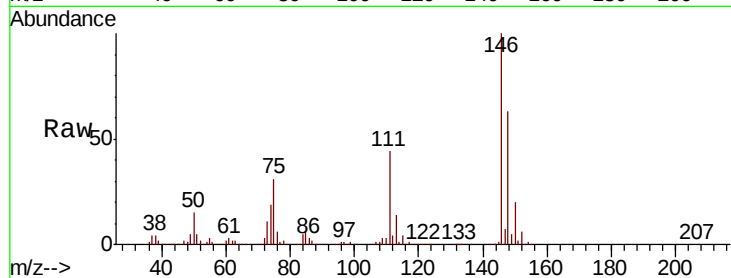
Tot Ion:146 Resp: 892598

Ion Ratio Lower Upper

146 100

111 43.5 35.1 52.7

148 63.3 51.0 76.4

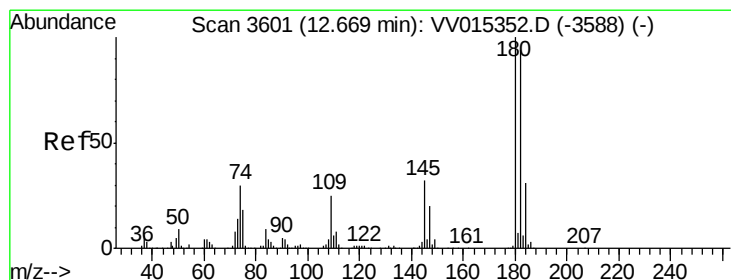
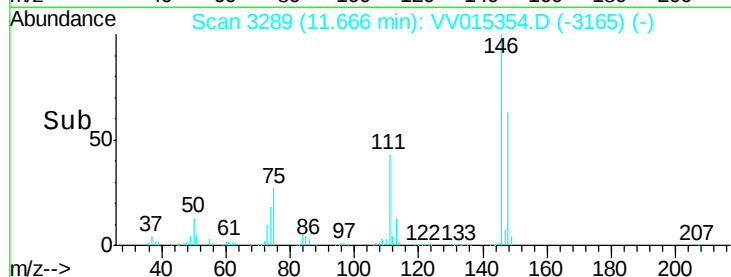
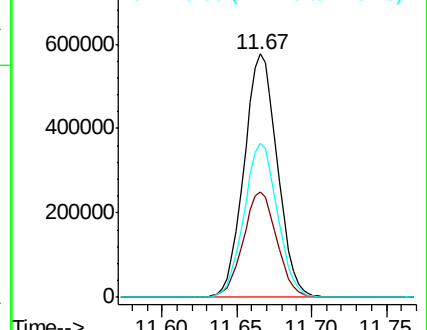


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 11.251 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

Tgt Ion:180 Resp: 76784

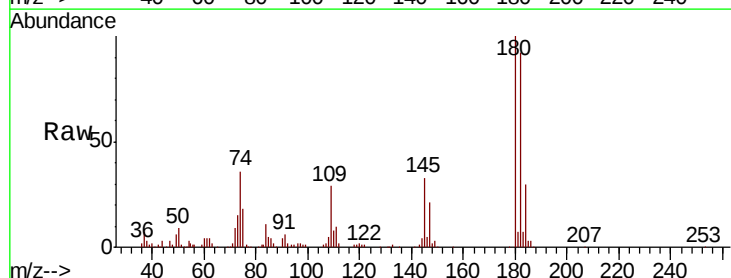
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

184 29.3 23.7 35.5

145 33.4 26.8 40.2



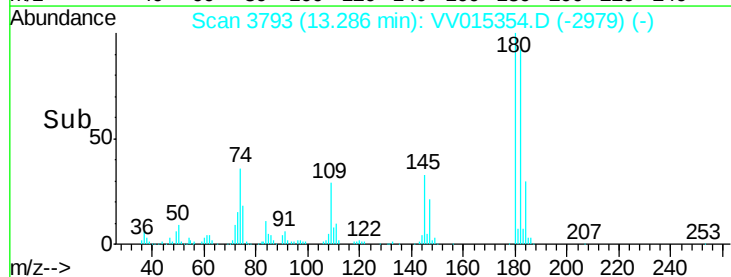
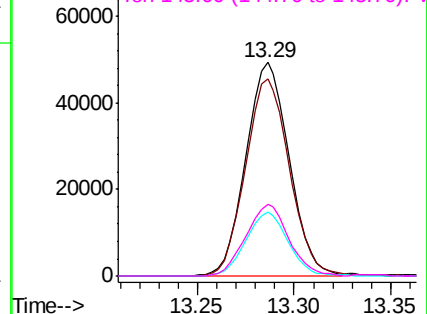
Abundance

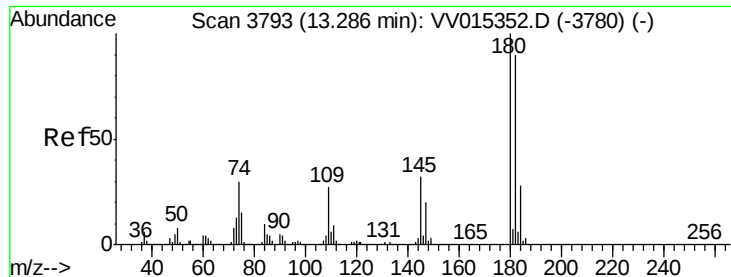
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 12.317 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

Instrument :

MSVOA_V

ClientSampleId :

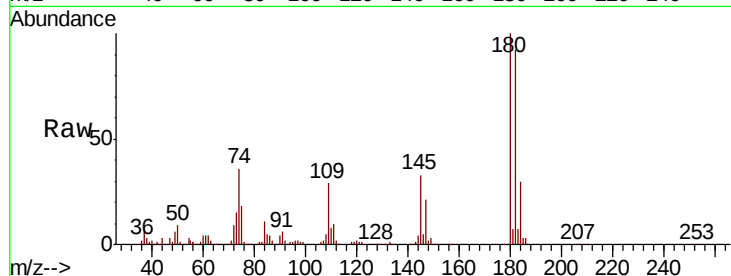
Tot Ion:180 Resp: 76784

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.8

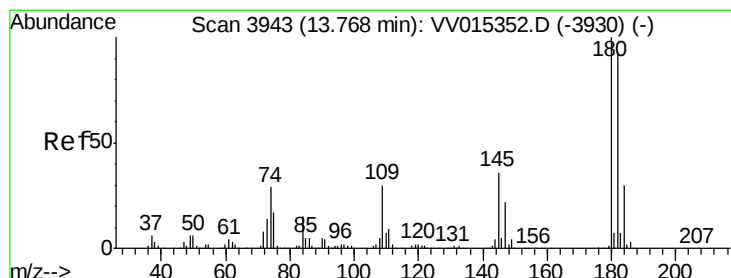
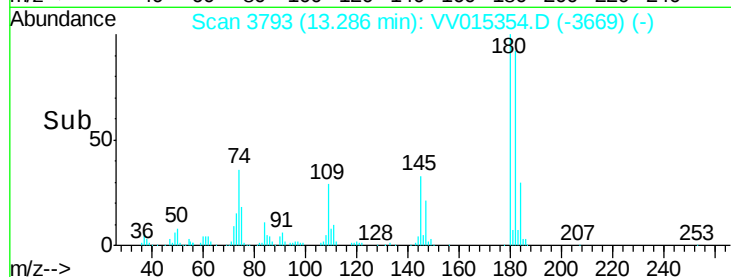
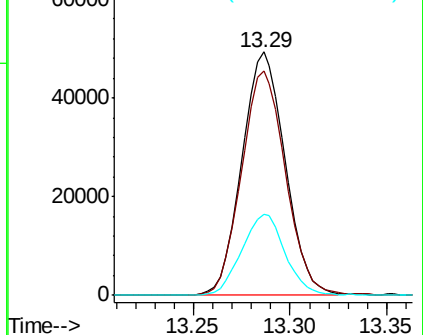
145 33.4 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.250 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015354.D

Acq: 02 Apr 2020 03:00

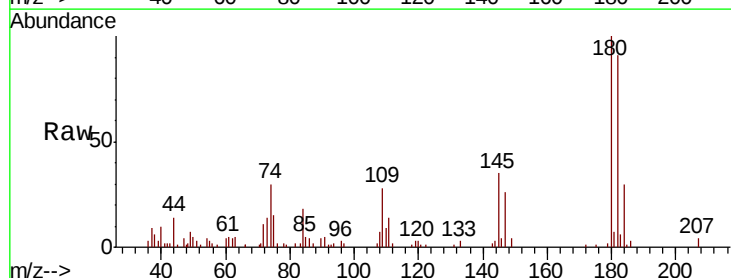
Tgt Ion:180 Resp: 14451

Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

145 34.3 28.2 42.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

